

FORM PTO-1390 (REV 10-2004)		ATTORNEY DOCKET NUMBER 4819-4752
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.51) 10/549396 TBA
INTERNATIONAL APPLICATION PCT/FI2004/000136	INTERNATIONAL FILING DATE 11 March 2004	PRIORITY DATE CLAIMED 19 March 2003
TITLE OF INVENTION METHOD AND EQUIPMENT FOR LIQUID-LIQUID EXTRACTION		
APPLICANT(S) FOR DO/EO/US NYMAN, Bror; EKMAN,Eero; HULTHOLM, Stig-Erik; PEKKALA, Pertti; LYYRA, Juhani; LILJA, Launo; and KUUSISTO, Raimo		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). 4. <input checked="" type="checkbox"/> The US has been elected. (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). Declaration Of Inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) 10. <input type="checkbox"/> An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11. to 20. below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. Recordal of change of applicant and agent. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821-1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or Information: Published Application with International Search Report; Second and Supplementary Notice Informing the Applicant of the Communication of the International Application to the Designated Offices; and Return Receipt Postcard. 		

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NO.	
TBA		PCT/FI2004/000136		4819-4752	
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee \$300				\$300.00	
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) \$100 All other situations \$200				\$200.00	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared and provided to the Office \$400 All other situations \$500				\$400.00	
TOTAL OF 21, 22 and 23 =				\$900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
27- 100 =	0/50 =		x \$250.00	\$0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	38 - 20 =	18	x \$50.00	\$ 900.00	
Independent claims	2 - 3 =	0	x \$200.00	\$0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00	\$0.00
TOTAL OF ABOVE CALCULATIONS =				\$1,800.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½ .				\$	
SUBTOTAL =				\$1,800.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+	\$
TOTAL NATIONAL FEE =				\$1,800.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
TOTAL FEES ENCLOSED =				\$ 1,800.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$1,800.00
<p>a. <input type="checkbox"/> A check in the amount of \$ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>13-4500 (4819-4752)</u> in the amount of \$1,800.00 to cover the above fees.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-4500 (4819-4752)</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
<p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO: 27123 Enter Address Here Bartholomew Verdirame, Esq. MORGAN & FINNEGAN LLP 3 World Financial Center New York, New York 10281-2101 212 415 8700 Telephone 212 415 8701 Fax</p>					
 Signature _____ <u>Bartholomew Verdirame/ Michael A. Willis</u> Name _____ <u>28.483 / 53.913</u> REGISTRATION NUMBER					

10/549396

Docket No. 4819-4752

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC20 Rec'd PCT/PTO 14 SEP 2005

NYMAN, Bror; EKMAN, Eero; HULTHOLM, Stig-Erik; PEKKALA, Pertti; LYRYRA,
Juhani; LILJA, Launo; and KUUSISTO, Raimo

Applicant(s): Group Art Unit: Not Yet Assigned

Serial No.: Not Yet Assigned Examiner: Not Yet Assigned

Filed: September 14, 2005 (Herewith)

For: METHOD AND EQUIPMENT FOR LIQUID-LIQUID EXTRACTION

EXPRESS MAIL CERTIFICATE

Mail Stop Box PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Express Mail Label No.: **EV 622501950 US**
Date of Deposit: September 14, 2005

I hereby certify that the following attached paper(s) and/or fee:

1. Transmittal letter to the US Designated Elected Office Concerning Filing Under 35 USC 371 (2 pps);
2. Preliminary Amendment (8 pp);
3. Information Disclosure Statement (1 pp);
4. PTO Form 1449A (1 pp);
5. Specification: (15 pps); Claims: (7 pps); Abstract (1 pps); Drawings (4 sheets);
6. Published International Application with International Search Report;
7. Second and Supplemental Notice Informing the Applicant of the Communication of the International Application to the Designated Offices (1 pp);
8. International Preliminary Report on Patentability (5 pps);
9. Request for Recordal of Changes (2 pps);
10. Declaration of Inventorship (Rule 4.17(iv)) for US (4 pps); and
11. Return Receipt Postcard

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Albert Isles

(Typed or printed name of person mailing paper(s) and/or fee)



(Signature of person mailing paper(s) and/or fee)

Correspondence Address:

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10/549396
JC20 Rec'd PCT/PTO 14 SEP 2005
OUTOKUMPU
August 17, 2005

The International Bureau of WIPO
34, chemin des Colombettes
1211 GENEVA 20
Switzerland

Agents ref. 20031019
International application PCT/FI2004/000136
International filing date 11 March 2004 (11.03.2004)
Applicant(s) Outokumpu Oyj et al

REQUEST FOR RECORDAL OF CHANGES

Dear Sirs

We request the recordal of a **change of one of the applicants**, i.e. the first applicant Outokumpu Oyj should be deleted from the register. The new first applicant, who is the applicant for all designated states expect for the United States of America is:

Outokumpu Technology Oy
address: Riihitontuntie 7
FI-02200 Espoo, Finland

We also request the recordal of a **change in the name of the agent**.
The new name and address of the agent is:

Outokumpu Technology Oy
Intellectual Property Rights Management
address P.O.Box 86
FI-02201 Espoo, Finland

tel. +358 9 4211, telefax +358 9 4212978 (unchanged)
e-mail patent@outokumpu.com (unchanged)

We enclose herewith the Power of Attorney as well as the assignment from the present applicant Outokumpu Oyj to Outokumpu Technology Oy.

Yours faithfully

OUTOKUMPU TECHNOLOGY OY
Intellectual Property Rights Management

Marja Lahonen
Marja Lahonen, Manager – IPR

Outokumpu Technology Oy
Intellectual Property Rights Management

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20031019

ASSIGNMENT

The undersigned Outokumpu Oyj having the address in Riihitontuntie 7, FI-02200 Espoo Finland,
herewith assigns all the rights concerning the invention described in the

PCT Patent Application PCT/FI2004/000136

"METHOD AND EQUIPMENT FOR LIQUID-LIQUID EXTRACTION"

to Outokumpu Technology Oy, P.O. Box 86, Riihitontuntie 7, FI-02200 Espoo, Finland.

In Espoo on 17 August 2005

Outokumpu Oyj



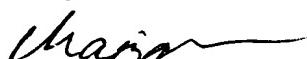
name: Hannu Aarnio

position: Manager – Patent Services

We accept this assignment with all rights and obligations pertaining thereto.

In Espoo on 17 August 2005

Outokumpu Technology Oy



name: Marja Lahonen

position: Manager – IPR